

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership | Publications/Services | Standards | Conferences | Careers/Jobs

**IEEE Xplore<sup>®</sup>**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office

[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)
[Quick Links](#)
Welcome to IEEE Xplore<sup>®</sup>

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

**Try our New Full-text Search Prototype** **GO**
[Help](#)

- 1) Enter a single keyword, phrase, or Boolean expression.  
Example: acoustic imaging (means the phrase acoustic imaging plus any stem variations)
- 2) Limit your search by using search operators and field codes, if desired.

Example: optical &lt;and&gt; (fiber &lt;or&gt; fibre) &lt;in&gt; ti

- 3) Limit the results by selecting Search Options.

- 4) Click Search. See [Search Examples](#)

 background <paragraph>  
 intensit\* <paragraph> imag\*  
 <paragraph> const\*

Start Search

Clear

Note: This function returns plural and suffixed forms of the keyword(s).

 Search operators: <and> <or> <not> <in> [More](#)

 Field codes: au (author), ti (title), ab (abstract), jn (publication name), de (index term) [More](#)
**Search Options:****Select publication types:**

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

**Select years to search:**
 From year:  to 
**Organize search results by:**Sort by: In:  orderList  Results per page
[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office


» Se

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **29** of **1079782** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.

background &lt;paragraph&gt; intensit\* &lt;paragraph&gt; ima

Search

☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Iterative reconstruction of SPECT data with adaptive regularization***Riddell, C.; Buvat, I.; Savi, A.; Gilardi, M.-C.; Fazio, F.;*

Nuclear Science, IEEE Transactions on , Volume: 49 , Issue: 5 , Oct. 2002

Pages:2350 - 2354

[\[Abstract\]](#) [\[PDF Full-Text \(291 KB\)\]](#) **IEEE JNL**
**2 Stereo- and neural network-based pedestrian detection***Zhao, L.; Thorpe, C.E.;*

Intelligent Transportation Systems, IEEE Transactions on , Volume: 01 , Issue: 3 , Sept. 2000

Pages:148 - 154

[\[Abstract\]](#) [\[PDF Full-Text \(168 KB\)\]](#) **IEEE JNL**
**3 Detecting independent motion: the statistics of temporal continuity***Pless, R.; Brodsky, T.; Aloimonos, Y.;*

Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 22 , Issue: 8 , Aug. 2000

Pages:768 - 773

[\[Abstract\]](#) [\[PDF Full-Text \(292 KB\)\]](#) **IEEE JNL**
**4 Spatiotemporal segmentation and tracking of objects for visualization of videoconference image sequences***Kompatsiaris, I.; Gerassimos Strintz, M.;*

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 10 , Issue: 8 , Dec. 2000  
Pages:1388 - 1402

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) [IEEE JNL](#)

---

**5 Face detection using quantized skin color regions merging and wavelet packet analysis**

*Garcia, C.; Tziritas, G.;*

Multimedia, IEEE Transactions on , Volume: 1 , Issue: 3 , Sept. 1999  
Pages:264 - 277

[\[Abstract\]](#) [\[PDF Full-Text \(1756 KB\)\]](#) [IEEE JNL](#)

---

**6 Restoration of blurred star field images by maximally sparse optimization**

*Jeffs, B.D.; Gunsay, M.;*

Image Processing, IEEE Transactions on , Volume: 2 , Issue: 2 , April 1993  
Pages:202 - 211

[\[Abstract\]](#) [\[PDF Full-Text \(828 KB\)\]](#) [IEEE JNL](#)

---

**7 Techniques for removing nonuniform background in coded-aperture imaging on the energetic X-ray imaging telescope experiment**

*Covault, C.E.; Grindlay, J.E.; Manandhar, R.P.; Braga, J.;*

Nuclear Science, IEEE Transactions on , Volume: 38 , Issue: 2 , Apr 1991  
Pages:591 - 596

[\[Abstract\]](#) [\[PDF Full-Text \(416 KB\)\]](#) [IEEE JNL](#)

---

**8 Generic modeling of 3D objects from single 2D images**

*Bilodeau, G.-A.; Bergevin, R.;*

Pattern Recognition, 2000. Proceedings. 15th International Conference on , Volume: 1 , 3-7 Sept. 2000  
Pages:770 - 773 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) [IEEE CNF](#)

---

**9 A NIR optical imaging system with diffuse photons**

*Zhang Yonghong; Bai Jing; Chen Nanguang; Liu Dengfeng;*

Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd Annual International Conference of the IEEE , Volume: 2 , 23-28 July 2000  
Pages:1436 - 1438 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(240 KB\)\]](#) [IEEE CNF](#)

---

**10 Rapid data reduction and target detection in literal imagery**

*Hoogs, A.; Mundy, J.;*

Applied Imagery Pattern Recognition Workshop, 2000. Proceedings. 29th , 16 Oct. 2000  
Pages:129 - 135

[\[Abstract\]](#) [\[PDF Full-Text \(1048 KB\)\]](#) IEEE CNF

---

**11 Signal-to-noise measurements in magnitude images from NMR ph arrays**

*Constantinides, C.D.; Atalar, E.; McVeigh, E.;*  
Engineering in Medicine and Biology society, 1997. Proceedings of the 19th Annual International Conference of the IEEE , Volume: 1 , 30 Oct.-2 Nov. 1997  
Pages:456 - 459 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(352 KB\)\]](#) IEEE CNF

---

**12 Automatic detection of facial feature points and contours**

*Yokoyama, T.; Wu, H.; Yachida, M.;*  
Robot and Human Communication, 1996., 5th IEEE International Workshop on , 11-14 Nov. 1996  
Pages:335 - 340

[\[Abstract\]](#) [\[PDF Full-Text \(832 KB\)\]](#) IEEE CNF

---

**13 Real-time occupant classification in high dynamic range environme**

*Koch, C.; Ellis, T.J.; Georgiadis, A.;*  
Intelligent Vehicle Symposium, 2002. IEEE , Volume: 2 , 17-21 June 2002  
Pages:284 - 291 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(679 KB\)\]](#) IEEE CNF

---

**14 Region tracking via local statistics and level set PDEs**

*Mansouri, A.-R.; Mitiche, A.;*  
Image Processing. 2002. Proceedings. 2002 International Conference on , Vol 3 , 24-28 June 2002  
Pages:605 - 608 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(398 KB\)\]](#) IEEE CNF

---

**15 Level-set evolution with region competition: automatic 3-D segmentation of brain tumors**

*Ho, S.; Bullitt, E.; Gerig, G.;*  
Pattern Recognition, 2002. Proceedings. 16th International Conference on , Volume: 1 , 11-15 Aug. 2002  
Pages:532 - 535 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(402 KB\)\]](#) IEEE CNF

---

[1](#) [2](#) [Next](#)

---

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

**IEEE Xplore®**  
 RELEASE 1.8

 Welcome  
 United States Patent and Trademark Office


&gt;&gt; Se.

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **29** of **1079782** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.

background &lt;paragraph&gt; intensit\* &lt;paragraph&gt; ima

☐ Check to search within this result set
**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**16 Vision-based vehicle detection and tracking method for forward collision warning in automobiles***Srinivasa, N.;*Intelligent Vehicle Symposium, 2002. IEEE , Volume: 2 , 17-21 June 2002  
Pages:626 - 631 vol.2
[\[Abstract\]](#) [\[PDF Full-Text \(498 KB\)\]](#) **IEEE CNF**
**17 Image segmentation using curve evolution***Sumengen, B.; Manjunath, B.S.; Kenney, C.;*Signals, Systems and Computers, 2001. Conference Record of the Thirty-Fifth Asilomar Conference on , Volume: 2 , 4-7 Nov. 2001  
Pages:1141 - 1145 vol.2
[\[Abstract\]](#) [\[PDF Full-Text \(564 KB\)\]](#) **IEEE CNF**
**18 Independent motion: the importance of history***Pless, R.; Brodsky, T.; Aloimonos, Y.;*Computer Vision and Pattern Recognition, 1999. IEEE Computer Society Conference on. , Volume: 2 , 23-25 June 1999  
Pages: 97 Vol. 2
[\[Abstract\]](#) [\[PDF Full-Text \(644 KB\)\]](#) **IEEE CNF**
**19 Spectropolarizational technique for detection of manmade objects visible and near infrared spectral ranges**

*Katkovsky, L.V.; Belyaev, B.I.; Belyaev, Yu.V.; Kurikina, T.M.; Nesterovich, A. Sosenko, V.A.; Veller, V.V.; Zabirko, S.P.; Zaitseva, V.A.;*  
Geoscience and Remote Sensing Symposium, 1999. IGARSS '99 Proceedings.  
1999 International , Volume: 2 , 28 June-2 July 1999  
Pages:1381 - 1383 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) IEEE CNF

---

20 **Phase sensitive imaging system development for laser diagnostic systems with inherently large background constraints**

*Fisher, C.W.; Middleton, N.T.; Linne, M.A.; Fiechtner, G.; Gord, J.;*  
Lasers and Electro-Optics, 1999. CLEO '99. Summaries of Papers Presented at Conference on , 23-28 May 1999  
Pages:15

[\[Abstract\]](#) [\[PDF Full-Text \(140 KB\)\]](#) IEEE CNF

---

21 **Generalized clustering-based image registration for multi-modality images**

*Tsao, J.; Lauterbur, P.;*  
Engineering in Medicine and Biology Society, 1998. Proceedings of the 20th Annual International Conference of the IEEE , Volume: 2 , 29 Oct.-1 Nov. 1998  
Pages:667 - 670 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(448 KB\)\]](#) IEEE CNF

---

22 **Landmine detection using fuzzy sets with GPR images**

*Gader, P.; Keller, J.M.; Frigui, H.; Hongwu Liu; Dayou Wang;*  
Fuzzy Systems Proceedings, 1998. IEEE World Congress on Computational Intelligence., The 1998 IEEE International Conference on , Volume: 1 , 4-9 May 1998  
Pages:232 - 236 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(468 KB\)\]](#) IEEE CNF

---

23 **Fast lighting independent background subtraction**

*Ivanov, Y.; Bobick, A.; Liu, J.;*  
Visual Surveillance, 1998. Proceedings., 1998 IEEE Workshop on , 2 Jan. 1998  
Pages:49 - 55

[\[Abstract\]](#) [\[PDF Full-Text \(156 KB\)\]](#) IEEE CNF

---

24 **2D object segmentation from fovea images based on eigen-subspace learning**

*Yuntao Cui; Weng, J.;*  
Computer Vision, 1995. Proceedings., International Symposium on , 21-23 Nov 1995  
Pages:305 - 310

[\[Abstract\]](#) [\[PDF Full-Text \(688 KB\)\]](#) IEEE CNF

---

**25 Threshold selection using second derivatives of the gray scale image***Pavlidis, T.;*

Document Analysis and Recognition, 1993., Proceedings of the Second International Conference on , 20-22 Oct. 1993

Pages:274 - 277

[\[Abstract\]](#) [\[PDF Full-Text \(304 KB\)\]](#) [IEEE CNF](#)**26 Maximally sparse reconstruction of blurred star field images***Jeffs, B.D.; Elsmore, D.;*

Acoustics, Speech, and Signal Processing, 1991. ICASSP-91., 1991 International Conference on , 14-17 April 1991

Pages:2937 - 2940 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(336 KB\)\]](#) [IEEE CNF](#)**27 Pyramid-based estimation of 2-D motion for object tracking***Wohn, K.; Maeng, S.R.;*

Intelligent Robots and Systems '90. 'Towards a New Frontier of Applications', Proceedings. IROS '90. IEEE International Workshop on , 3-6 July 1990

Pages:687 - 693 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(556 KB\)\]](#) [IEEE CNF](#)**28 Automated inspection of solder bumps using visual signatures of specular image-highlights***Ray, R.;*

Computer Vision and Pattern Recognition, 1989. Proceedings CVPR '89., IEEE Computer Society Conference on , 4-8 June 1989

Pages:588 - 596

[\[Abstract\]](#) [\[PDF Full-Text \(696 KB\)\]](#) [IEEE CNF](#)**29 Application of image contours to three aspects of image processing: compression, shape recognition and stereopsis***Marshall, S.;*

Image Processing and its Applications, 1989., Third International Conference on , 18-20 Jul 1989

Pages:604 - 608

[\[Abstract\]](#) [\[PDF Full-Text \(472 KB\)\]](#) [IEEE CNF](#)[Prev](#) [1](#) [2](#)